AMENDMENTS TO THE SPECIFICATION:

Page 2, lines 10-19, replace as follows:

In a fixed cell structure, beams having different system resources such as frequencies or polarizations are directed to fixed cell. However, due to the antenna structure and the nature of a beam, side lobes from the beam may interfere with communications in cells having the same communication characteristic such as frequency and polarization. To reduce side lobes and achieve a high peak antenna directivity and low side lobes, the antenna aperture is commonly enlarged. A tradeoff may occur if the antenna aperture size is fixed and thus the side lobe characteristic may be ~~sacrifice~~ sacrificed for a lower main lobe directivity. The drawback to a large aperture is the higher payload mass associated therewith. A low main lobe to side lobe ratio also implies a ~~reduce~~ reduced number of users of the system.

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